

ASD 15**ARNESON SURFACE DRIVE****ALUMINUM IN-LINE
(ASD15A1S AND ASD15A1L)**

- Aluminum thrust assembly
- Internal lube oil reservoir
- Steering cylinder with external hoses and fittings
- Trim cylinder with external hoses and fittings
- Installation manual, owners manual and drive ball wrench (one per ship set)

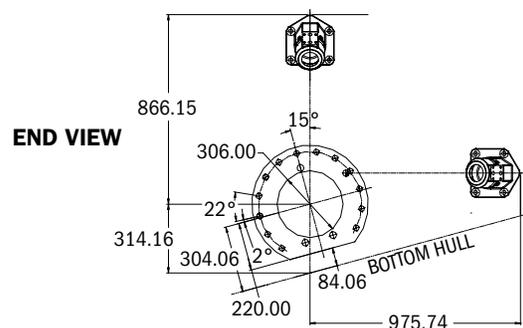
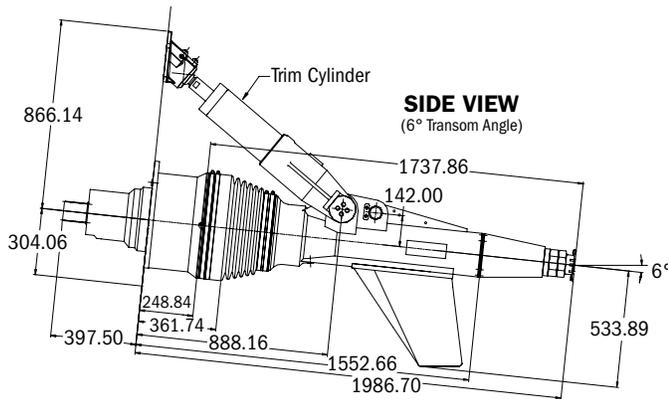
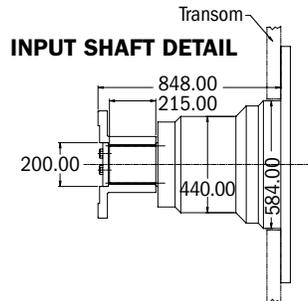
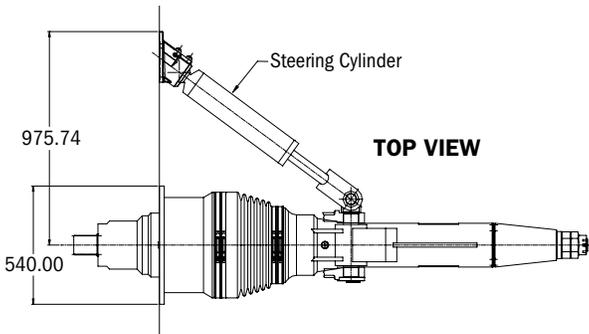
**ACCESSORIES**

- Anode kit
- Cylinder position indicator kits with gauge
- Hydraulic power steering system
- Gearbox adapter
- Driveline (cardan shaft)
- Companion (input) flange
- Tie-bar (mechanical or hydraulic – for multiple engine vessels)
- Propeller

TECHNICAL DATA

	ASD15A1S	ASD15A1L
Reduction Ratio	1.00:1	1.00:1
Maximum Input Torque	11,500 ft-lbs	13,500 ft-lbs
Unit Weight	1,500 lbs	1,540 lbs
Overall Length from Transom	78 in	78 in
Nominal Shaft Diameter	4.5 in	4.5 in
Steering Angle Degree	36 degrees	36 degrees
Trim Angle Degree	15 degrees	15 degrees

ASD 15 IN-LINE SURFACE DRIVE SCHEMATICS



Since 1918, we've been putting horsepower to work by designing, engineering and manufacturing rugged-duty industrial products. Our products and our reputation are bolted to the most renowned engine manufacturers and equipment OEMs in the world. Our mission is to make boats, machines and off-highway vehicles more productive, more durable, more operator-friendly, and more cost-effective. From design and installation consultation through after-sale support, Twin Disc and its distributors are committed to your business. No one knows more about managing horsepower in more ways than Twin Disc.

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STEERING SYSTEMS

RUDDERS

TRIM TABS

BLUEDRIVES

PUMP DRIVES

PTOS

Twin Disc, Incorporated reminds users of these products that their safe operation depends on use in compliance with engineering information provided in our catalog. Users are also reminded that safe operation depends on proper installation, operation and routine maintenance and inspection under prevailing conditions. It is the responsibility of users (and not Twin Disc, Incorporated) to provide and install guards or safety devices which may be required by recognized safety standards or by the Occupational Safety and Health Act of 1970 and its subsequent provisions.

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